

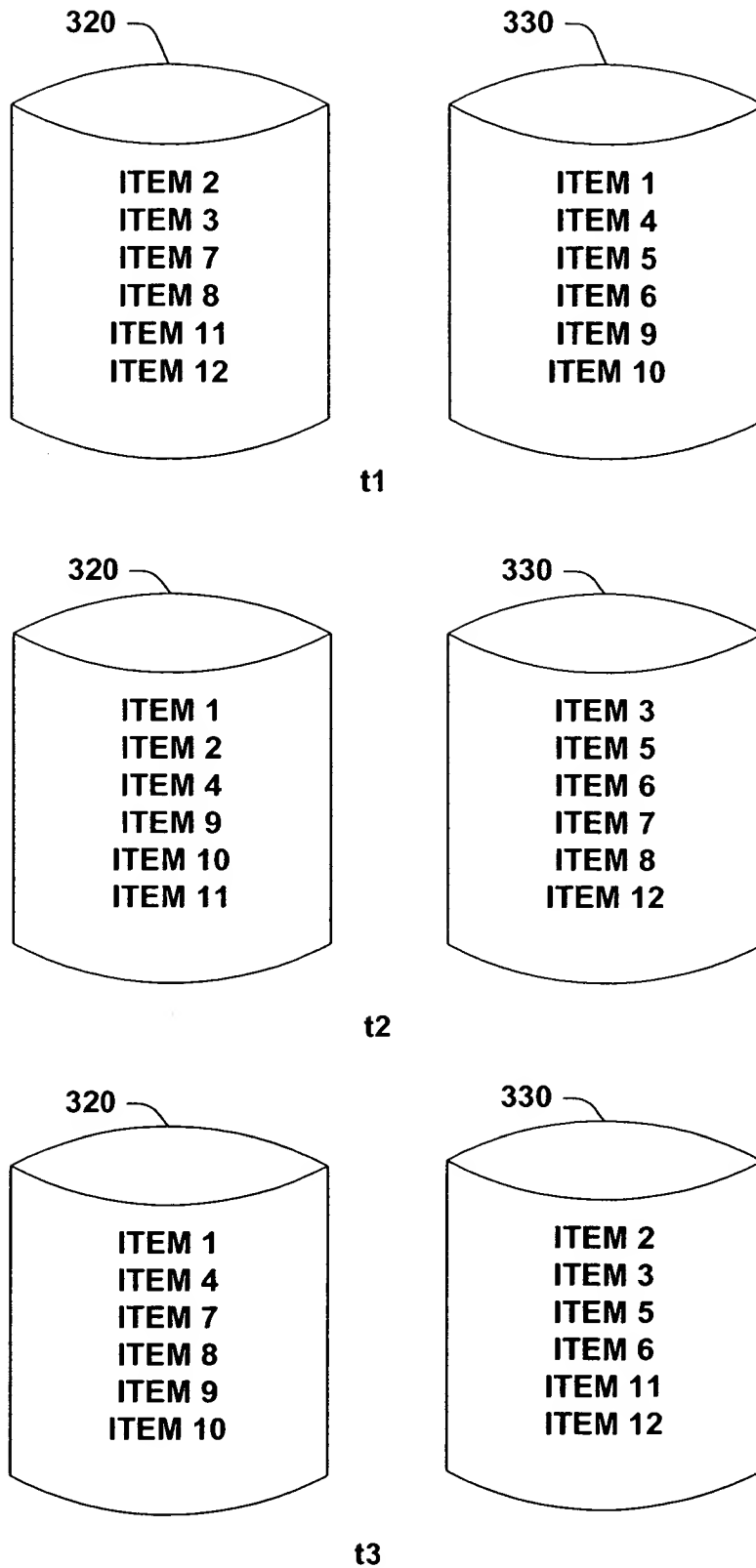
FIG. 1

The diagram shows a data structure 210, which is a table with 6 rows and 6 columns. The first column is labeled 202 and contains the following items from top to bottom: ITEM 1, ITEM 2, a square symbol, a square symbol, a square symbol, and ITEM O. The first row is labeled 204 and contains the following items from left to right: PROPERTY 1, PROPERTY 2, a square symbol, a square symbol, a square symbol, and PROPERTY M. The intersection of the first row and first column is labeled 206.

ITEM 1	PROPERTY 1	PROPERTY 2			
ITEM 2					
■					
■					
■					
ITEM O					

	PROPERTY 1	PROPERTY 2				PROPERTY P
USER 1						
USER 2						
■						
■						
■						
USER Q						

210



**FIG. 3**

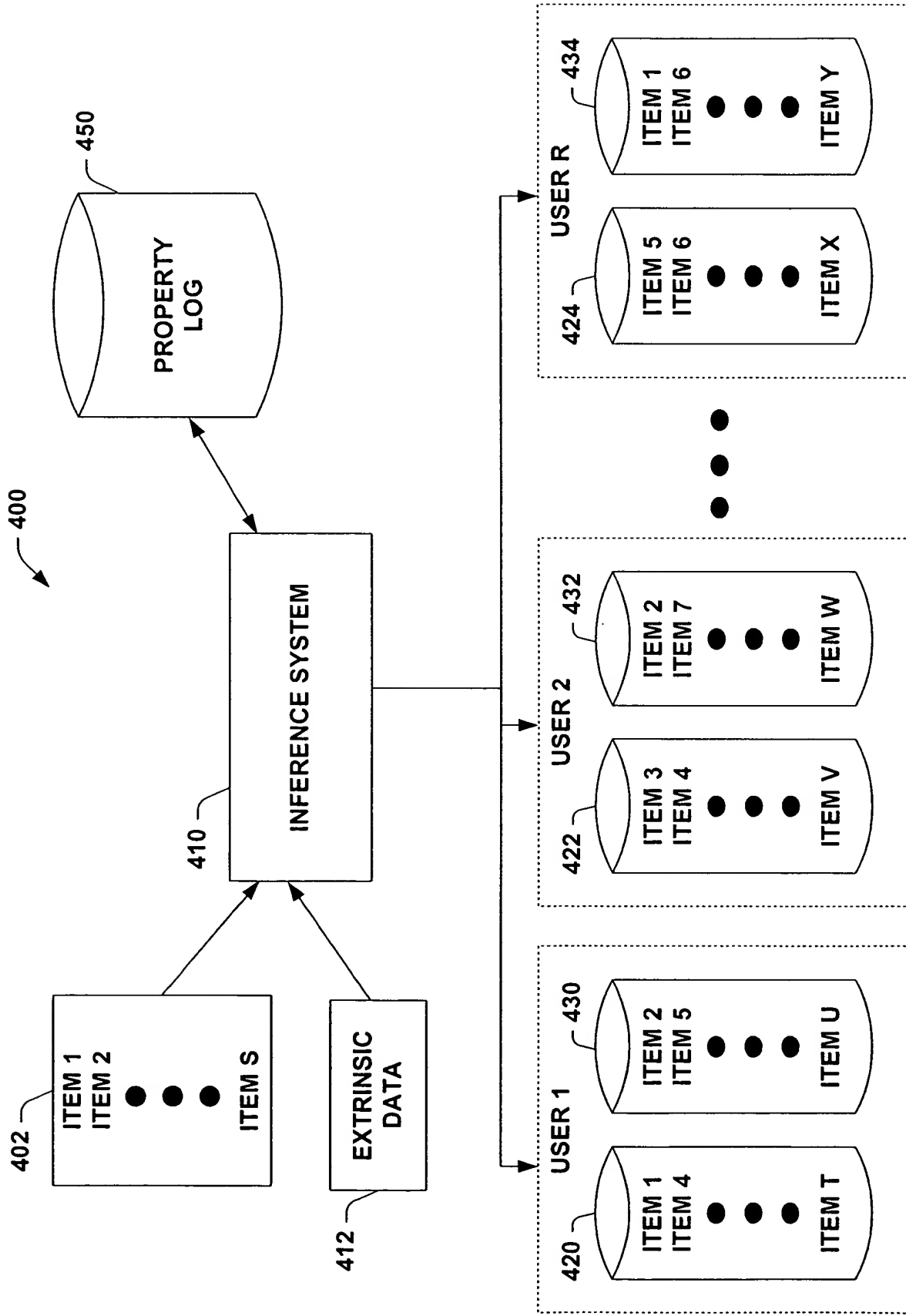


FIG. 4

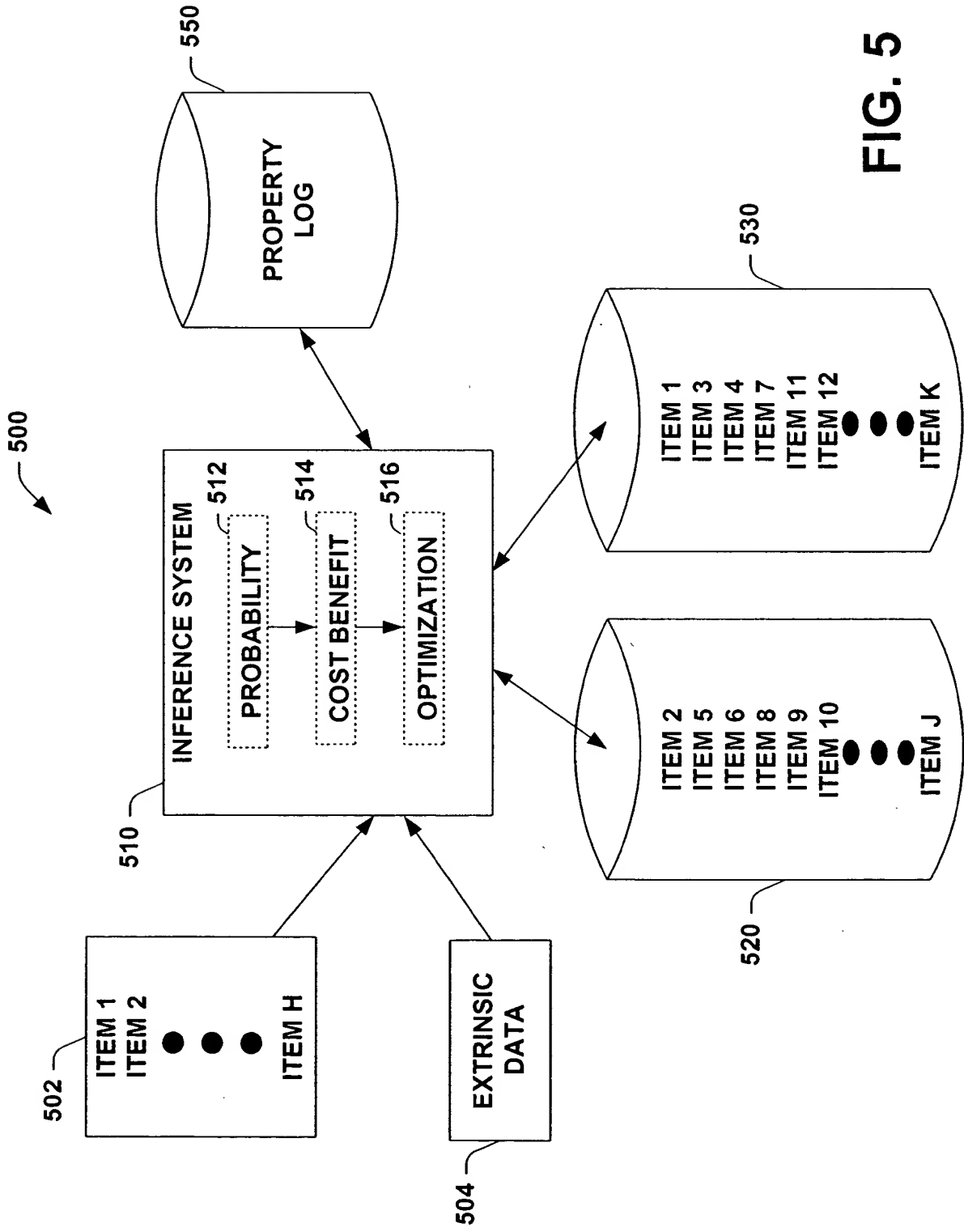
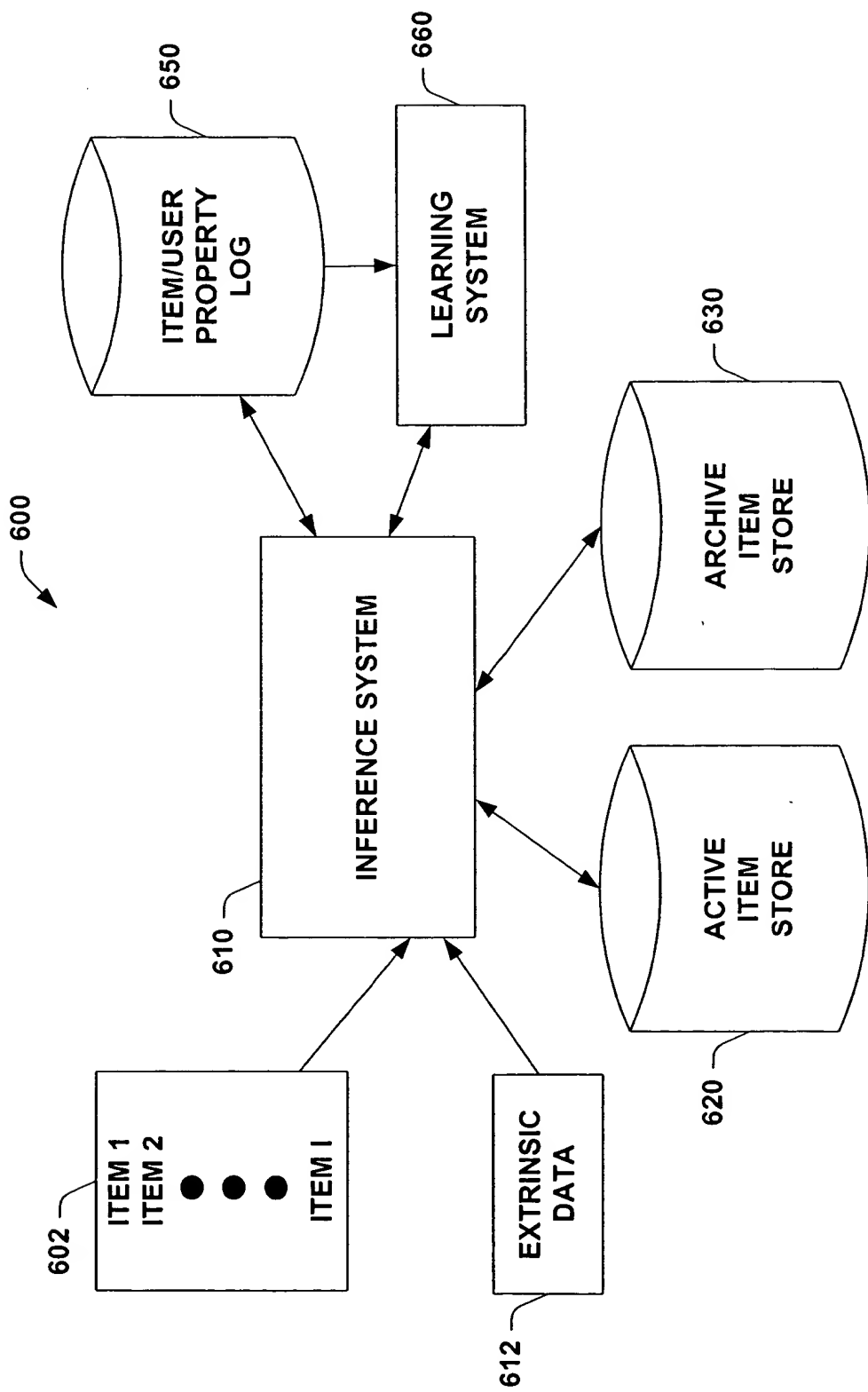


FIG. 5



**FIG. 6**

700

702

700

710 { ☒ 712 → AFTER MESSAGE IS  MONTHS OLD, REDUCE PROBABILITY BY  PER MONTH IF MESSAGE IS NOT ACCESSED WITHIN TIME PERIOD  762

☐ 752 → INCREASE PROBABILITY BY  IF MESSAGE HAS ATTACHMENT

☐ 754 → ARCHIVE MESSAGES WITH VALUE DENSITY LESS THAN  766

☒ 722 → ONLY ARCHIVE MESSAGES MORE THAN  DAYS OLD

☐ 720 → ARCHIVE ONE-SHOT MESSAGES AFTER READ

ONLY ARCHIVE AFTER 3:00 am, AND ONLY WHEN USER IS NOT PRESENT

☒ 730 → DISCARD MESSAGES FROM

☒ 740 → LIMIT NUMBER OF ACTIVE MESSAGES TO  / UTILIZE NO MORE THAN  PERCENT OF ACTIVE SPACE AS ACTIVE ITEM STORE

FIG. 7

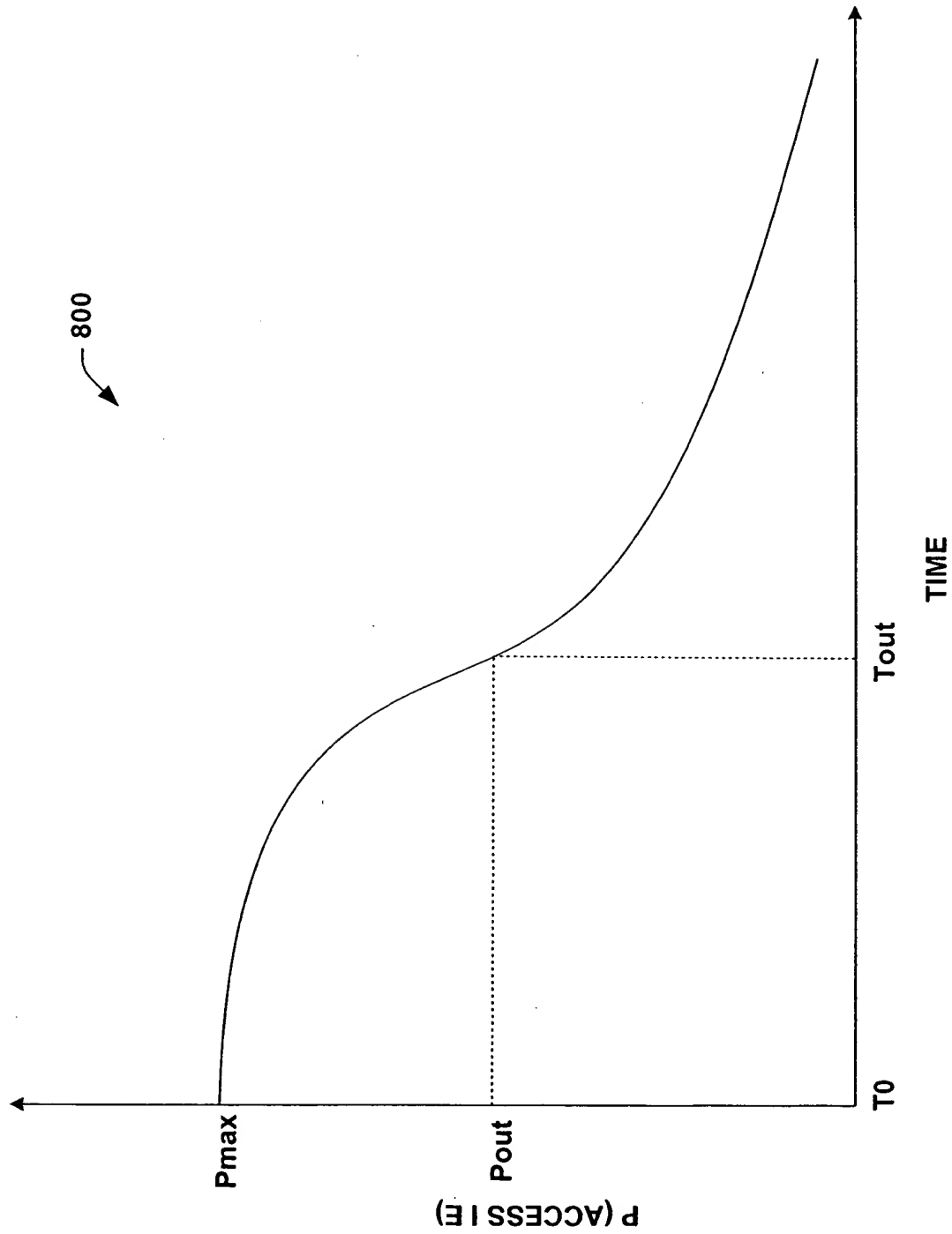


FIG. 8



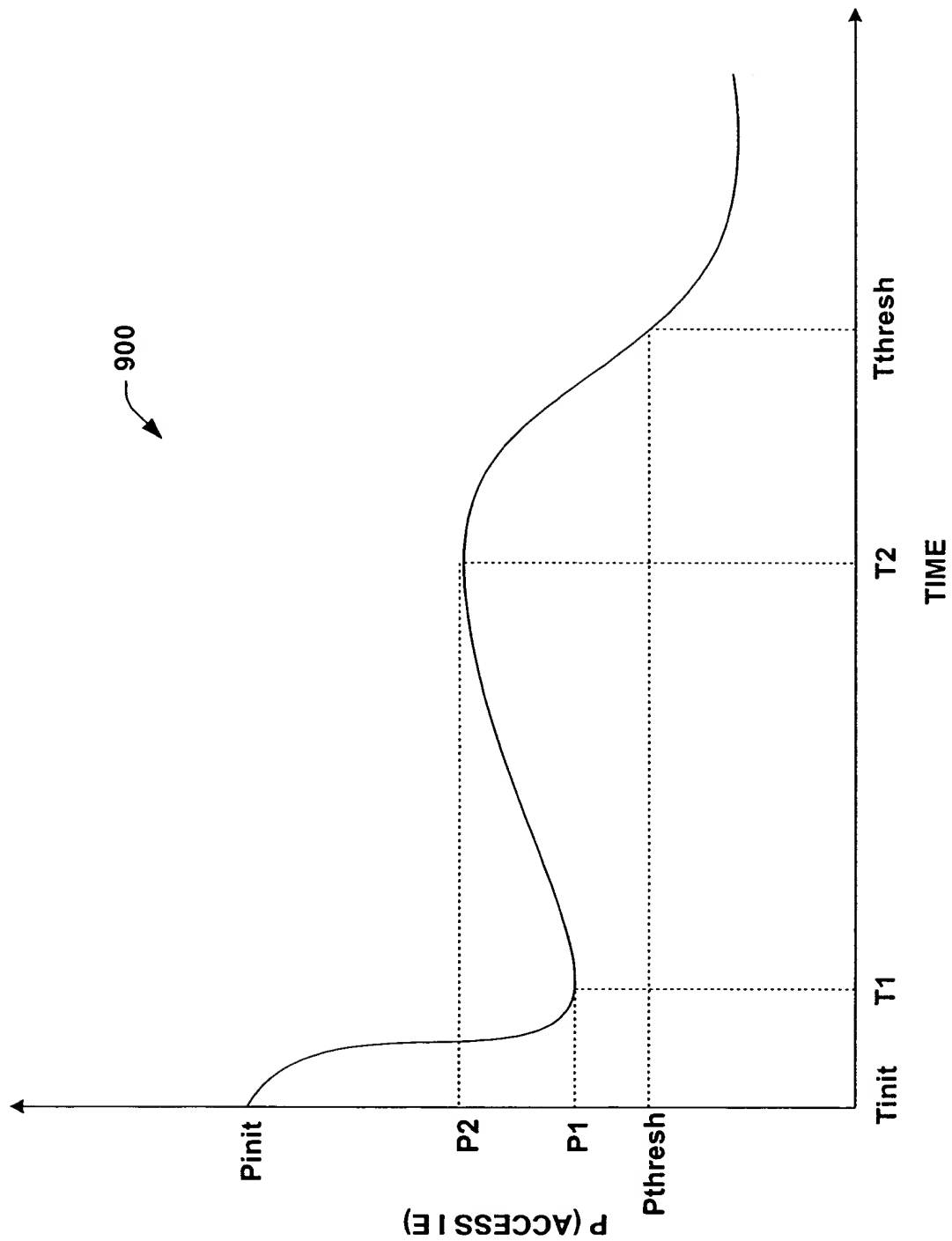
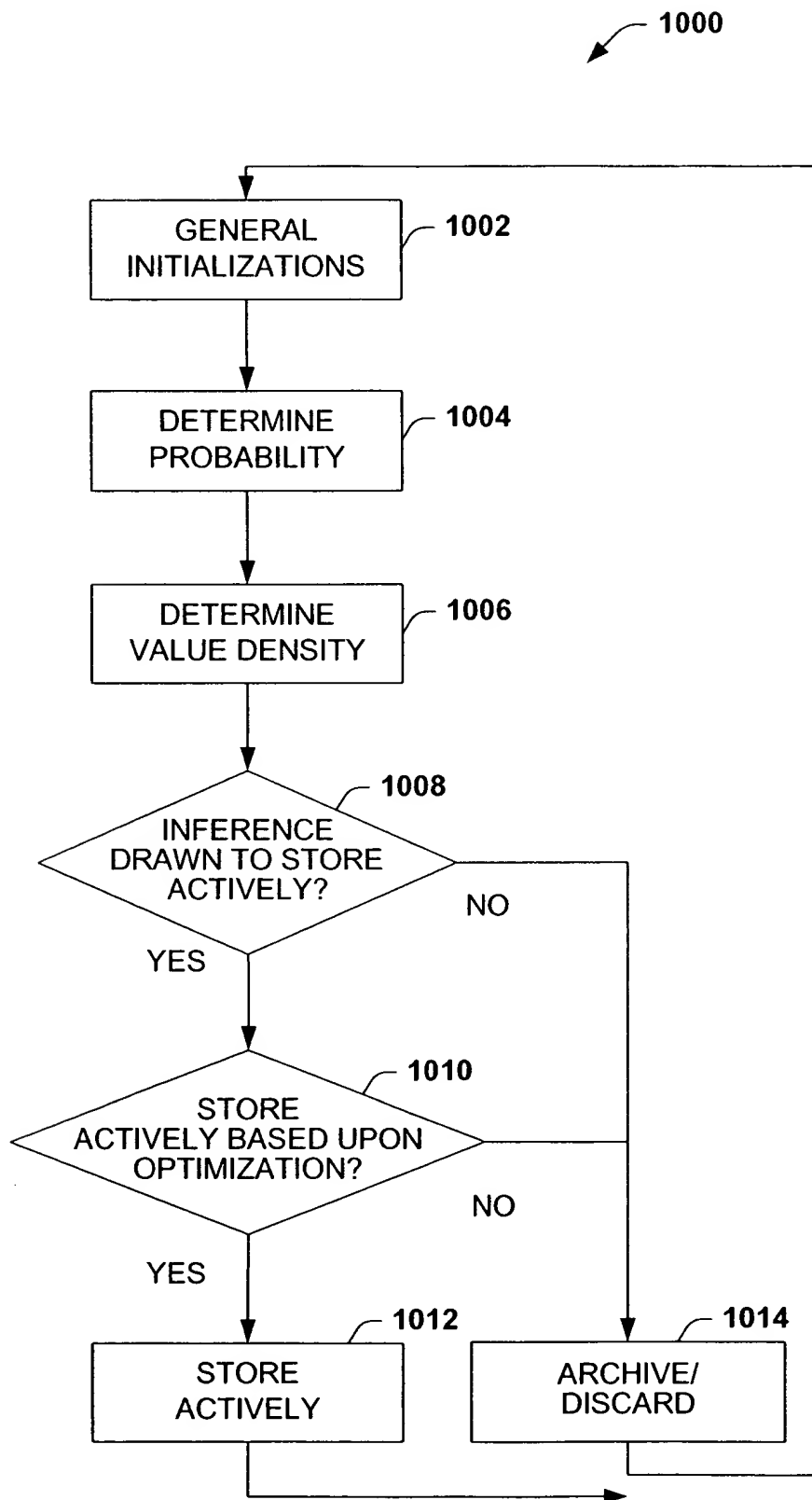
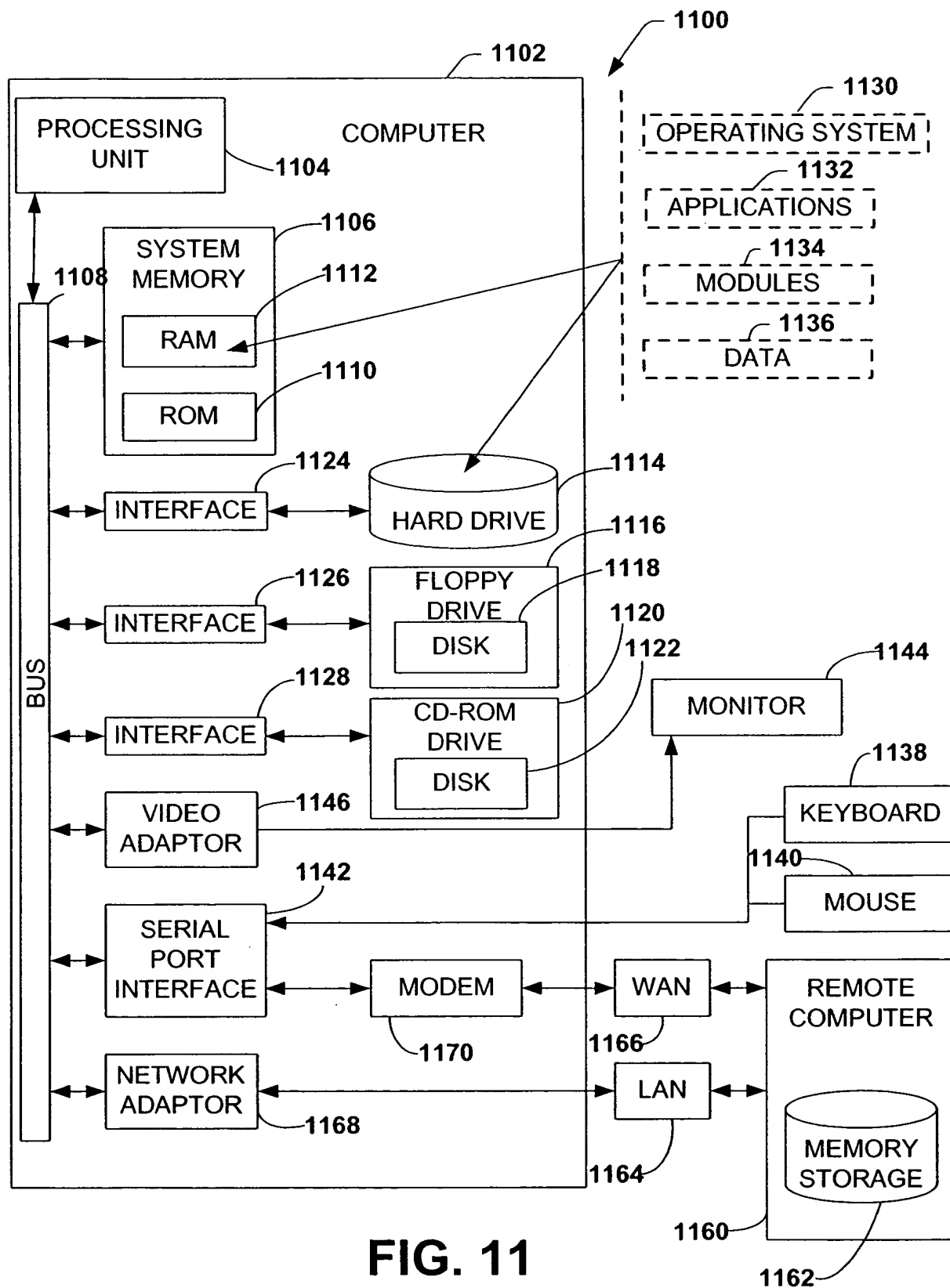


FIG. 9



**FIG. 10**



**FIG. 11**